

From boatanchors@theporch.com Tue Jun 4 03:50:01 1996
From: FRANKK6NL@aol.com
Subject: " Gassy"6SG7s and grid current testing
Message-ID: <960603153428_126843105@emout07.mail.aol.com>

The original msg re 14 6SG7 all of which tested "gassy" created much discussion but no one questioned the test itself.

Before condemning any tube as having grid current it would be well to describe just how a tube tester of the shop variety measures grid current. To avoid using and perhaps blowing a microampere meter the tester does it sort of secondarily by placing a high resistance in series with the grid and noting the effect on plate current or transconductance when that resistor is shorted. That is- if there is no change, then there is no grid current and if there is grid current the change will be proportional to the amount. Unfortunately the change also involves the transconductance unless this is compensated for. That effect could be troublesome in very high transconductance tubes when tested on a shop tester.

The commercially acceptable limit on grid current in receiving tubes is 1 microampere as read on a microammeter and that was the test limit used in production- though most tubes hardly budged the meter. Now the resistor used in the shop testers maybe as high as 1 megohm and a limit 6SG7 which has a transconductance of 4000 or so would produce a 4 milliampere change in plate current . Even .1 microampere of grid current would produce a significant change. Even the latter might well show up as "gassy" in the tester.

In all of the above I have used the term grid current -not gas. The reason for that is that in addition to gas there are two other currents can come out of the grid that act just like gas. One is leakage and the other, which plagues very high transconductance tubes, where the grid is almost painted on the cathode, is grid emission. The latter can be distinguished only if it develops after the tube is hot. Leakage can be distinguished from gas by biasing out the tube beyond cutoff. If the current disappears then it was gas. I have performed that analysis many times back in the olden days of Raytheon.

After tubes have been dormant for years there maybe small mounts of gas present which have been released from the mount and enclosure. These are readily absorbed as the tube is returned to operation. I am talking here of gas initially up to 10-15 microamperes.

As has been mentioned often , it is indeed good advice to use the tester only as a guide and let the circuit itself determine the goodness of a tube. I do hope those 6SJ7s were not given the "deep six" (A nautical term to dispose of something overboard and one particularly applicable to BA disposals).

Frank, K6NL

From boatanchors@theporch.com Tue Jun 4 23:39:24 1996
From: rcmorris@mars.ark.com (ray)
Subject: --Need Johnson "Adventurer"info--
Message-ID: <199606050153.SAA30893@mars.ark.com>

Greetings All,

While the Johnson Viking "Adventurer" CW Txmitter I have repaired to the couple of watts out stage is more a 'fishermans anchor' then a boat anchor, I'd really appreciate any info on alignment and/or setup anyone has out there. Got it and a matching VFO at our local hamfest. I know its too much to hope for a schematic but..... Will pay for any copying or mailing costs. Thanks.

73. Ray. VE7FBJ. rcmorris@mars.ark.com

From boatanchors@theporch.com Tue Jun 4 03:50:01 1996
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: 5 pin sockets needed
Message-ID: <Pine.ULT.3.91.960603220359.7589A-100000@admin.aurora.edu>

Fellow bottleburners: I am in need of four 5-pin tube sockets to build an amp using four 807's. Also need plate caps for same. I'll take used parts if they are in good shape. \$\$ or will trade (state your needs).

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL

From boatanchors@theporch.com Tue Jun 4 16:14:50 1996
From: "Gene S. Katz" <gkatz@motown.lmco.com>
Subject: 51J problem
Message-ID: <Chameleon.960604074604.gkatz@pc062164.motown.lmco.com>

Name: Gene Katz
E-mail: gkatz@motown.lmco.com
From boatanchors@theporch.com Tue Jun 4 03:50:01 1996
From: List Admin/Owner BoatAnchor Mail List <listown@jackatak.theporch.com>
Subject: ADMINISTRIVIA: ENOUGH! No more Cats/mice...

Message-ID: <9606032312.aa03757@jackatak.theporch.com>

Gang-

I have been biting my tongue and keeping my fingers in my pockets...
Is hould have jumped in sooner, but I wanted to give you all the
credit you claim to deserve for being responsible and thoughtful and
considerate of others on the list.

When last I posted a subtle reminder to stay on topic, I got
compliments for tact and brevity...

I complimented you all for you good actions during the outage, and now
I am rewarded with endless drivvel about cat and mouse urine!

Come on, people: this is a radio related list. It is focused on Old
Tube/Firebottle equipment, and the life and times of those who used
it...

NO MORE (No Mas!) WITH THE FELINE AND RODENT STORIES... send them to
/dev/null or to alt.tasteless.noise, but keep this kind of sophmoric
nonsense off the BA list... back to radios, or back to quiet... but
NOT back to noise!!!!!!!!!!!! Sheesh!

--

73

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)
- - - BoatAnchor Mailing List Archiver/Owner - - -
listown@jackatak.theporch.com ----- firebotl@jackatak.theporch.com

From boatanchors@theporch.com Tue Jun 4 03:50:01 1996
From: Bill Strangfeld <bstrang@iac.net>
Subject: Airborne Radio Equip Handbook
Message-ID: <Pine.SUN.3.91.960603084718.5925A@wabash.iac.net>

So far, 21 people said they may want a copy of the Airborne Radio
Equipment Handbook I mentioned last Friday, depending on the cost.

I'll take it to Kinko's tomorrow for an estimate and post the results here.

73

Bill Strangfeld
bstrang@iac.net

From boatanchors@theporch.com Tue Jun 4 16:14:50 1996
From: Bill Strangfeld <bstrang@iac.net>

Subject: Airborne Radio Equip Handbook

Message-ID: <Pine.SUN.3.91.960604130548.23015B-1000000@wabash.iac.net>

Here is an update on the Airborne Radio Equipment Handbook.

Kinkos wants \$12 or \$13. Another copy place says they will do it for a good bit less but I need to confirm that they can copy the photos adequately. They're not close to where I work and it will be a few days before I can go there to check.

As soon as I have a firm price for copies and postage, I'll post it with a cutoff date for orders.

73

Bill Strangfeld

bstrang@iac.net

From boatanchors@theporch.com Tue Jun 4 03:50:01 1996

From: "E.Swain/T.Boyd" <lizboy@io.com>

Subject: All Star again...

Message-ID: <Pine.BSI.3.91.960603174641.8527B-1000000@xanadu.io.com>

Got a couple of replies to my posting about the All Star (Moore, 2nd ed., p. 115), from Don Merz and Al Fritsche, but would still like to get ahold of copies of the articles apparently published in 1934 in such magazines as Radio News, and possibly also Radio Craft and Short Wave Craft.

Al Fritsche: I *AM* a member of the BA list!! Thanks for checking your sources.

Tom Boyd

From boatanchors@theporch.com Tue Jun 4 03:50:01 1996

From: Bill Meara <w.meara@server1.codetel.net.do>

Subject: Allied SSB A-2517???

Message-ID: <9606032355.AA22959@server1.codetel.net.do>

Anyone know anything about this rig? An aspiring anchorologist found one in the Dominican Republic and needs some background info (he's trying to decide whether or not to buy it). Any good? Any major known problems that might prove to be show-stoppers for an novice who's kind of far from technical help? I couldn't find it Moore's book.

73 De N2CQR/HI8

"Hispaniola Heaths and Hallis"

Bill Meara
Santo Domingo, Dominican Republic
w.meara@codetel.net.do
or
74537.1100@compuserve.com

HT-37, 2B, HW-101, HQ-100

PGP PUBLIC KEY AVAILABLE ON REQUEST

From boatanchors@theporch.com Tue Jun 4 03:50:01 1996
From: kilgore@dev.tivoli.com (Jeff Kilgore)
Subject: Re: Allied SSB A-2517???
Message-ID: <9606040211.AA00651@wichita.tivoli.com>

I am not familiar with the 2517, but I do have a 2516. It is a basic, no-frills ham-band only (plus WWV) SSB/CW/AM receiver. It is dual-conversion (first IF 8.9 to 9.5 MHz, 2nd IF 455 kHz), using mostly tubes and a few transistors. Seems to be quite trouble-free. The bandwidth is too wide for serious CW work, but it performs acceptably on SSB and AM.

Let me know if you have more specific questions on operation, tube complement, etc.

73,
Jeff Kilgore, KC1MK

From boatanchors@theporch.com Tue Jun 4 03:50:01 1996
From: "David L. Thompson" <thompson@mindspring.com>
Subject: Re: Allied SSB A-2517???
Message-ID: <199606040226.WAA06065@borg.mindspring.com>

At 05:58 PM 6/3/96 -0500, you wrote:

>Anyone know anything about this rig? An aspiring anchorologist found one in
>the Dominican Republic and needs some background info (he's trying to decide
>whether or not to buy it). Any good? Any major known problems that might
>prove to be show-stoppers for an novice who's kind of far from technical
>help? I couldn't find it Moore's book.

>

>73 De N2CQR/HI8

"Hispaniola Heaths and Hallis"

>Bill Meara

HT-37, 2B, HW-101, HQ-100

>Santo Domingo, Dominican Republic

>w.meara@codetel.net.do

PGP PUBLIC KEY AVAILABLE ON REQUEST

>or

>74537.1100@compuserve.com

This transceiver was being sold by Allied in 1970 (See QST Nov 1970) for a review. Its a hybrid and uses a matched PS A-2518. Operates 80 to 10 and operates CW/SSB see no mention of AM. Weights 21 lbs. Looks a lot like the

TS-511 Trio/Kenwood. Allied sold a lot of this and their receiver pair in Latin America. Price about \$400. The ARRL review was favorable and gives a block diagram.

The only showstopper would be to not have the manual or a schematic (both best).

Dave K4JRB

From boatanchors@theporch.com Tue Jun 4 03:50:01 1996
From: EdKnobloch@gnn.com (Edward Knobloch)
Subject: Re: Allied SSB A-2517???
Message-ID: <199606040240.WAA22817@mail-e2b-service.gnn.com>

> w.meara@server1.codetel.net.do inquired about
> the Allied A-2517 transceiver.

I found it reviewed in Nov 1970 QST. It's a hybrid SSB transceiver, with the oscillators transistorized, but most stages still using vacuum tubes. It ends up with a pair of 6146's. One nice feature of the radio was the inclusion of a 500 Hz cw filter, as well as a 2.4 KHz SSB filter. Amplified ALC was included. Most of the circuitry is on pc boards, and the interior looks almost like a Heath SB-101.

The unit was actually built in Japan by Trio (Kenwood) and Allied just put their name and model number on the front panel. In Japan, it was sold as a Trio TS-510.

QST's only finding of fault with the radio was that the VFO's linearity was not too good. (13 KHz spread over a 500 KHz band in the sample tested). But the VFO was very stable, and could be aligned to the nearest 25 KHz marker. The dial has 1 KHz increments.

It sold for \$400 list, which must have caused heartburn to any U.S. manufacturer of the period. I don't think I've ever heard one on the air, so I doubt if Allied really pushed this gear in the U.S.

Maybe we will hear from a Japanese Boatanchorite, who can fill us in on any weak spots of the TS-510. To me, it looks like a good example of vintage SSB.

rgds,
Ed Knobloch K4PF

e mail edknobloch@gnn.com

From boatanchors@theporch.com Tue Jun 4 16:14:50 1996
From: Nick England <nick@cs.unc.edu>
Subject: Ameco AC-1 vs, AC-1T
Message-ID: <199606041556.LAA00568@altair.cs.unc.edu>

I've been exchanging some e-mail with Scott Freeberg WA9WFA about the Ameco AC-1 transmitter. Scott has seen an AC-1T with a 15"x8" chassis. I have an AC-1 (later model I assume as it says "Division of Aerotron") which is 8"x8".

I can't find AC-1T in my books (but my Moore's xmtr book isn't here yet) except for an entry in the 1971 Lafayette catalog which looks exactly like my AC-1. So do all the earlier AC-1 pictures.

So, if you have an AC-1 or AC-1T or have info about them, please let us all know. And if you know the history of Ameco that'd be interesting too.

p.s. For those who haven't seen an AC-1, it is the quintessential novice xmtr kit - 6X5 rectifier, 6V6 oscillator, plug-in coil, that's it - \$16.95 I think.

thanks & 73,
Nick KD4CPL

Nick England nick@cs.unc.edu KD4CPL
<http://www.cs.unc.edu/~nick>

From boatanchors@theporch.com Tue Jun 4 03:50:01 1996
From: Jeffrey Herman <jherman@hawaii.edu>
Subject: any telephone collectors?
Message-ID: <Pine.SV4.3.91.960603220206.17767A-100000@uhunix3>

I'm looking for a set of gongs from those 60s pay telephones - a coin would strike a particular gong which then emitted a very unusual

sound; a quarter would strike the deepest sounding gong. Anyone know where I could get a set? (Does anyone even remember these style phones?)
Jeff KH2PZ/KH6

From boatanchors@theporch.com Tue Jun 4 16:14:50 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Re: any telephone collectors?
Message-ID: <49001.ddillman@igc.apc.org>

On Tue, 4 Jun 1996 03:07:21 -0500 (CDT),
Jeffrey Herman <jherman@hawaii.edu> wrote:

>I'm looking for a set of gongs from those 60s pay telephones - a coin
>would strike a particular gong which then emitted a very unusual
>sound; a quarter would strike the deepest sounding gong. Anyone know
>where I could get a set? (Does anyone even remember these style phones?)

Oh, yeah. We had a set of gongs screwed to the wall next to a phone connected to a pay phone line - and a little mallet with which to hit the gongs when various coins were called for! Sorry, but that gong set is long gone.

However, you may want to try PHONECO, Inc, 207 East Mill Road, PO Box 70, Galesville, WI 54630, phone 608-582-4124. I don't know if they have the gongs but their catalog is certainly worth having. They would certainly be a source for a phone of the appropriate vintage for installation in a BA ham shack.

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Tue Jun 4 03:50:01 1996
From: Terry Neal <tmneal@pacbell.net>
Subject: Astatic #200-E, Hit or Miss?
Message-ID: <2.2.16.19960603192312.29474a6e@pbinet.com>

I just obtained an Astatic 200-E microphone. It was manufactured around 1948. It might have been a PA mike. Painted kind of a gold hammer tone with a chrome mike element plate. There is a warning sheet saying Rochelle-Salt crystal units must not be exposed to high temps. When I shake the mike I can hear what I guess are the salts rattling. It has original box and some doc.

The question is: Do I have anything here worth while or do I have a pig in the poke. I paid 45 bux.

thanks Terry aa6tn

ps List price was \$15 bux

tmneal@pacbell.net

From boatanchors@theporch.com Tue Jun 4 16:14:50 1996
From: Paul Thekan <Paul.Thekan@pgtp.varian.com>
Subject: BC 923...Help
Message-ID: <2.2.16.19960604070448.2ff78798@pgtp.varian.com>

Greetings to all

I picked up at the Livermore swap a BC 923 receiver , less its dynamotor DM - 64. It covers 27 - 39 mhz , FM. Its similar in some respects to the BC 683 but uses 4 seperate tuners to set it on any of its 4 channels.

Would very much like to find the DM 64 dynamotor for it as well as the matching xmtr , the BC 924. Anyone out there got any of this stuff?

Thankyou
Paul N6FEG

Paul Thekan - Speaking for Himself
Paul.Thekan@pgtp.varian.com

From boatanchors@theporch.com Tue Jun 4 23:39:24 1996
From: Jim Dillon <beadgal@ptialaska.net>
Subject: Book Deal Update: Moore Receivers....
Message-ID: <01BB5254.E077D1E0@juneau_31.dialups.ptialaska.net>

..were received here today and will go out from here Wednesday. Second = wave
of Transmitters (those who postmarked after the deadline 5/15) will go = out
when books are received, probably another coupla days.
Still haven't heard from Barry or anyone at ER re: the second order of Heathkit.=20
Generalized observation: Here on the Left Coast we routinely receive = mail (in Alaska!)sent from LA same day. It now takes 7 days for First =

Class Mail

to get through the Chicago sorting (and demolition/theft)center. Five = weeks

for Parcel (same package-HR0 size-sent through Canada- one week).

Sending anything UPS requires a rate negotiation summit meeting even out = here-(remember the short-long haul scandals of the 1890s and JD = Rockefeller's

Rebates/Kickbacks- Don't we just wish for the good old days?) And = inevitable

claims for careless and malicious damage resulting from union (Teamster = UPS)

and non-union (air carriers/ indy truckers)conflicts (Your = package/letter looses).=20

How did you folks back East ever let things get this bad? You do have = Congressional aides who can pound on Post Office and ICC (as we out here = must constantly do lest we starve or freeze).=20

Off soapbox

Folks who ordered Transmitters on time should have received theirs = Tuesday.

For those shipping Boatanchors: One Word: *BUBBLEWRAP* lotsa bubblewrap and doubleboxing in Fresh, new outer box.

Jim Dillon beadgal@ptialaska.net

From boatanchors@theporch.com Tue Jun 4 03:50:01 1996

From: dlr13@psu.edu (Doug Ripka)

Subject: C434/GRC-what is it?

Message-ID: <199606031305.JAA32752@r05n01.cac.psu.edu>

Hi all,

I have 4 of the above items-they are small but heavy boxes, painted in O.D., and have a hand crank, bells, and two spring posts to hook up a telephone line. In addition, they also have two cables coming out the back which go to "set 1", and "set 1". What exactly are these? Are these BA related at all? the cables coming out the back have more pins on the connectors than a phone would need.

All comments, information appreciated.

thanks,

Doug (dlr13@psu.edu)

From boatanchors@theporch.com Tue Jun 4 03:50:01 1996
From: "Joseph W. Pinner" <kc5ijd@dns1.net-connect.net>
Subject: Re: C434/GRC-what is it?
Message-ID: <199606040140.UAA14950@dns1.net-connect.net>

>I have 4 of the above items-they are small but heavy boxes, painted in O.D.,
>and have a hand crank, bells, and two spring posts to hook up a telephone
>line. In
>addition, they also have two cables coming out the back which go to "set
>1", and
>"set 1".

These were used with the GRC-3 through 8 series (RT-66, -67, -68, -70) as well as VRC series which used the same radios. What you have is one of a pair of units. The C-434 was used with the C-433 to allow the operation of the radio from a remote location using field wire (up to a mile, as I recall), tying the set into a wire communication net.

C-434 was at the radio set and C-433 was the remote unit. Set 1 was a RT-66, -67, or -68, and set 2 was a RT-70. Together these WBFM radios covered 20 - 55 Mc and were the 50s era vehicular tactical sets for the army. Field units were PRC-8, -9, -10 and the PRC-6.

73

Joseph W Pinner
Lafayette, LA
KC5IJD
EMail: kc5ijd@net-connect.net or kc5ijd@aol.com

From boatanchors@theporch.com Tue Jun 4 23:39:24 1996
From: MAB@delphi.com
Subject: Calling All FAX Fan(atic)s
Message-ID: <01I5J27AP5EI8Y6XTY@delphi.com>

Just got a call from my friend, Lou De Gonzague in Latham, NY. Seems he bought a barn full of stuff left over from the estate of the late Garret Dillenbeck. Apparently, Mr. Dillenbeck was a pioneer in the development of Fax and a LOT of his equipment was in that barn, including the scanner and receiver and power amps used for the first (?) trans-Atlantic Fax transmission. Also found were a lot of documents and photos of historical significance. Lou would like to speak to someone to find out what of this is of historical significance, ie, should be donated to a museum, and would also consider selling pieces to collectors.

Anyone wanting to pursue this, should contact Lou directly (and

not so hard...)

73, Andy G8PTH:-(

From boatanchors@theporch.com Tue Jun 4 03:50:01 1996
From: integrat@usr.com
Subject: Check your junkbins
Message-ID: <1B305090.@usr.com>

While inspecting a new toy a few nights ago, I found a problem with a busted tube socket for a 5Z3 (Navy CRC-38593). So...

Please check your junkbins for any 4 pin brown wafer tube sockets with "CEN-38002" stamped on the underside in white ink. There _may_ be some goofy felt shockmounts attached to the socket.

I could really use one, and would be willing to pay shipping plus.

William Donzelli
integrat@usr.com

From boatanchors@theporch.com Tue Jun 4 03:50:01 1996
From: "Pike Green" <PikeGreen@multipro.com>
Subject: Re: Cleaning Up After Cat's-n-Rat's-n-Elephants
Message-ID: <199606040516.AAA16166@server.multipro.com>

David and Everyone,

|-----
| From: David Stinson <arc5@ix.netcom.com>
| To: Multiple recipients of list <boatanchors@theporch.com>
| Subject: Cleaning Up After Cat's-n-Rat's-n-Elephants
| Date: Monday, June 03, 1996 6:55 AM
| [snip]
| My co-workers and I have tried several things to get
| the smelly mess out. The only thing we've found
that works is ammonia.

Warning... Nothing, absolutely nothing, will get rid of the smell of tomcat spray to the extent that a tom can't smell it. The tom's motto is that anything once sprayed requires refreshing from time to time (his own) or complete obliteration (another's).

Best,
Pike

From boatanchors@theporch.com Tue Jun 4 16:14:50 1996
From: bill@skeeter.frco.com (William Hawkins)
Subject: Clough-Brengle ?
Message-ID: <9606041628.AA12505@skeeter.frco.com>

Picked up a Clough-Brengle 280A audio oscillator at the Pavek's garage sale. Some things have a pounds/dollar ratio that I can't resist, and a lot of test equipment seems to be that way. This one was 35 pounds for 8 dollars.

It is a beat-frequency oscillator with a dial that spans zero to 32000 cycles in one half turn. It has an 'eye' tube above the zero adjust trimmer. There are 'phone jack outputs for 4000, 600, and 600 center tapped ohms, plus an unmarked pair like you see in patch panels. There is a variable gain control, and switches marked in 20 dB steps. It has two identical oscillators (except one is variable), a mixer, and a low power amplifier. No date, GT tubes, low serial number.

Anybody know anything about Clough-Brengle?

Bill Hawkins bill@skeeter.frco.com

From boatanchors@theporch.com Tue Jun 4 23:39:24 1996
From: dfrancis@usa.net (Dexter Francis)
Subject: Collins 516F-2 100 ohm 25 W res?
Message-ID: <v01520d02adda4da05926@[192.156.196.125]>

Greetings all -

I just completed the initial clean-up/inspection of a 516F-2 power supply and noticed that there is a 100 ohm, 25 watt ceramic resistor mounted on the top of the rear, bottom mounting flange, which is attached to the chassis ground lug on one end and nothing on the other end. Before I fire this thing up, can anyone tell me if this resistor is supposed to be there and if so, tell me what it needs to be hooked to? Its proximity to the 5U4GB leads me to suspect it has some sort of regulator function, but without a schematic I have no way to know for sure.

-df

From boatanchors@theporch.com Tue Jun 4 03:50:01 1996
From: KA9EGW@aol.com
Subject: Re: corrosion; Heath knobs
Message-ID: <960604003500_548800195@emout13.mail.aol.com>

jml@spider.lloyd.com writes:
"Conventional wisdom has it that the family of Big Green Boxes from Heath,
<snip>
had one of two styles of knobs. Early sets had satin finish
knobs and later sets had shiny knobs.
<snip>
Style #1 is the brushed satin finish knob
<snip>
Style #2 has a polished appearance
<snip>
Style #3 is, without a doubt, chrome plated.
<snip>"

more likely, perhaps, the satin-finish knobs, which I believe are aluminum alloy, were buffed with tripoli rouge (any Ace Hardware store) after corroding and pitting. The original satin finish can be pretty effectively restored by using a Badger "Abrasive Hobby Blast Gun" (son-of-airbrush jeweler's sandblaster) with Badger's about-3600-grit abrasive media...or Comet cleanser if it's fresh and dry...I've had excellent results preventing further corrosion with S100 Corrosion Protectant spray (at any good motorcycle shop), a no-apparent-residue protectant that has kept the sandblasted, satin-finish, bare-aluminum rockerboxes on my Harley corrosion-free after months of all-weather riding...and the aluminum chassis in a number of BAs corrosion-free after years of storage in a propane-heated (very variable temp and humidity with lots of condensation on a daily basis in the winter) garage...keep it out of bandswitches etc though...

73, Brian KA9EGW

From boatanchors@theporch.com Tue Jun 4 16:14:50 1996
From: jml@spider.lloyd.com (Jim Lockwood)
Subject: Re: corrosion; Heath knobs
Message-ID: <m0uQuyX-002WgEC@spider.lloyd.com>

>jml@spider.lloyd.com writes:
>"Conventional wisdom has it that the family of Big Green Boxes from Heath,

><snip>
>had one of two styles of knobs. Early sets had satin finish
>knobs and later sets had shiny knobs.
><snip>
>Style #1 is the brushed satin finish knob
><snip>
>Style #2 has a polished appearance
><snip>
>Style #3 is, without a doubt, chrome plated.
><snip>"
>
>more likely, perhaps, the satin-finish knobs, which I believe are aluminum
>alloy, were buffed with tripoli rouge (any Ace Hardware store) after
>corroding and pitting.

Thanks for the reply. After I sent out my message yesterday, I discovered that the #2 polished knobs weigh significantly less than the #1 satin style. So much so that I think I erred in assuming the #2 was pot metal. I am now of the opinion that the #2 polished is simply polished aluminum and believe the #1 satin is satin chrome over pot metal.

73,

Jim - km6nk

From boatanchors@theporch.com Tue Jun 4 16:14:50 1996
From: Michael Crestohl <mc@shore.net>
Subject: FOR SALE: Hickok Model 288X RF and AF Crystal Controlled Signal Gen.
Message-ID: <199606041053.GAA18701@northshore.shore.net>

I have in my basement a Model 288X signal generator that I will probably never use. I picked it up several years ago because it is a really good piece of equipment but somehow never found the time to clean it up and install it on my workbench. I use a URM-25D for just about everything and so the 288X is really surplus to my needs.

It is complete but could use a good cleaning up. In case you don't know what the 288X looks like, it has a neat aluminum front panel with a fine slot profile meter and tuning scale. It is a fine piece of test equipment great for servicing AM and FM receivers and includes an audio generator as well.

I'll sell it for \$35.00. I would prefer a local pickup on this one if possible but would be willing to ship it if the buyer paid the costs. If interested please reply by e-mail.

Michael Crestohl, KH6KD/W1
mc@shore.net

From boatanchors@theporch.com Tue Jun 4 03:50:01 1996
From: "Hal R. Waite" <halwaite@netcom.com>
Subject: Frank Jones' Radio Handbook First Edition 1935
Message-ID: <Pine.SUN.3.91.960603230903.13042A-1000000@netcom14>

I am looking for the above to complete my collection of early Radio Handbooks which I consider vastly superior to the ARRL handbooks of the same era. I've only talked to one ham who had that edition; however, I understand that the 1936 Second Edition is a considerable improvement and is one of my most valued volumes.

Thanks in advance. Hal K4GFI/7 halwaite@netcom.com

From boatanchors@theporch.com Tue Jun 4 23:39:24 1996
From: "Sandy, W5TVW" <70401.134@CompuServe.COM>
Subject: FS/FT: Supreme Tube Tester.
Message-ID: <960605034356_70401.134_IHD92-1@CompuServe.COM>

For sale or trade (Much prefer a trade). Very old Supreme model 17 Tube Checker. Complete and working less line cord. Glass on meter is cracked, case needs refinishing, all original legends on panel are OK. Needs a good cleanup and some TLC restoration. Just the thing for pre-1930 radio fans! It tests all the popular 4 and 5 pin tubes! '00A, '01A, '10, '12A, '20, '24, '26, '27, '40, '45, '50, '71A, '80, '81, and UX-'99's!

Offers? What have you? Looking for a 1-2 tube regenerative BC receiver of same era, or ?????

73,

Sandy, W5TVW
Boat Anchors collected, restored, modified, traded and used!

From boatanchors@theporch.com Tue Jun 4 03:50:01 1996
From: Walt Novinger <waltn@earthlink.net>
Subject: FS: D-2999, InfoTech M-600, Lafayette HE-10
Message-ID: <31B3AE45.100D@earthlink.net>

F O R S A L E

We are thinning out our collection (haven't seen the dining room table in months!) and have the following radios available.

1. Magnavox/Philips D-2999 portable receiver FM/LW/MW/SW. Dual speaker with excellent sound. SW performance is excellent with digital readout and S-meter. Ideal travel radio for longer trips to the cabin or on your boat. AC/DC/battery power options. Excellent condition. Factory service manual (just bought from Philips for \$41) and user's manual included. \$225 + shipping

2. Info-Tech M-600 Multi-Mode Code Receiver. Decodes ASCII, Baudot, TOR (ARQ/FEC), & Morse. Drives composite video and/or serial printer; accepts audio (speaker) input from receiver. Includes manual. \$75 + shipping

3. Lafayette HE-10 General Coverage receiver. This is a really cute "S-38 on steroids", complete with S-meter and lift-top Bud-like cabinet. Cosmetically very good (one small paint run on upper corner of front panel, minor chips on edges); works. \$55 + shipping

Feel free to call 415.738.0370 or reply by email.

Thanks,
Walt
--

=====

Walt Novinger	Real Radios Keep You Warm At Night!
Collector of hollowstate communications receivers and test equipment	
waltn@earthlink.net	wnovinger@shl.com
	CI\$: 73340,2015

From boatanchors@theporch.com Tue Jun 4 16:14:50 1996
From: "Lahlum-FLR111 Ross" <ross_lahlum@msmail.wes.mot.com>
Subject: FS: Geiger Counter
Message-ID: <9606041754.AA02071@kay.wes.mot.com>

I have 2 Geiger counters, and am willing to part with one. Both work fine. If there is any interest, I will dig it out, look up the Mfr & Model # & determine a price (price suggestions welcome).

73,
Ross
ross_lahlum@msmail.wes.mot.com

From boatanchors@theporch.com Tue Jun 4 23:39:24 1996
Subject: FS: Hallicrafters S38

1950's S38 receiver, in good working condition. Will take best offer + shipping. Reply via Email, Dave

----- Forwarded message ends here -----

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Tue Jun 4 23:39:24 1996
Subject: FS: Hallicrafters SX-110 Receiver

I have for sale a Hallicrafters SX-110 Receiver. It is in good working order.
It has all the original knobs and the front panel is in excellent condx.
The cabinet has been repainted with a close match to the original gray color. I am asking \$100 plus shipping for it.

----- Forwarded message ends here -----

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Tue Jun 4 23:39:24 1996
Subject: FS: Johnson KW Matchbox

Johnson KW matchbox
Relatively recent vintage and in *excellent* condition.
Coax and balanced antenna outputs, accessory terminal block, No SWR meter.

FYI, these are rated for 1KW on AM, good for approx 3KW SSB according to Elmer-lore.

Asking \$275

reply via email to pcb@connix.com
I will check here over the next few days also.

73
Pete Brunelli
N1QDQ

----- Forwarded message ends here -----

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Tue Jun 4 03:50:01 1996
From: integrat@usr.com
Subject: FS: Military stuff
Message-ID: <1B3050A0.@usr.com>

Stuff for sale...

RC-73 Interphone Equipment:

BC-709-C & FT-273

This is a small metal box on a shockmount, consisting of a one tube (VT-174) battery powered amplifier. It is in the original box (sorry, no manual, but there is a schematic in the lid), but three screws have rusted. I think with just a little work, the thing could really look nice. The innards look good. The rubber on the shock mount is still quite good.

I may have another one of these things if I dig farther.

AAF 44G8744 Tester Flux Gate Remote Indicating Compass, Remote:

This is also a small box, mostly wood, and looks to be some kind of breakout box for WWII aircraft compass. It is not in too bad of shape, but some of the joinery has come loose. A little wood glue and some clamps would fix it fine. Essential equipment when your aircraft compass misbehaves.

I would like to trade these for equally insignificant Navy items.

If there is any interest, soon I will post a modified and/or junky RBA-2 and DAE-1 receivers (cheap!).

William Donzelli
integrat@usr.com

From boatanchors@theporch.com Tue Jun 4 16:14:50 1996
From: Dale Richardson <aa5xe@cibola.net>
Subject: FS: T-368 PTO and HT-18
Message-ID: <9606041857.AA25667@cibola.net>

The Sun City Amateur Radio Club in El Paso has the following items that might be of interest to some of you BA'ers.

Collins T-368/URT Oscillator/Multiplier Subassembly with Field and Depot Maintenance Manual TM 11-809-35 (copy). The unit appears to be in excellent condition cosmetically but electrical condition is unknown. It looks ok mechanically. T-368 manual is a copy. Will not separate manual from Osc. I am not sure what to ask for it so I will take the best offer.

Hallicrafters HT-18 VFO, qty 2, 1 manual, 80-10 m, both units appear to be in excellent condition cosmetically. Electrical condition is unknown. Could probably be used as qrp xmtr or use it to drive something bigger. \$100 ea

Prices do not include shipping. I can be contacted at (915) 821-3472 anytime or by email: aa5xe@cibola.net Shipping will be from El Paso Tx.
73,
Dale AA5XE
Dale N. Richardson, AA5XE
email aa5xe@cibola.net

From boatanchors@theporch.com Tue Jun 4 23:39:24 1996
Subject: FS: WW2 RBB-2 Radio Receiver

FOR SALE: WW2 vintage RBB-2 radio receiver. Unit covers 0.5 to 4.0 MHz. AM and CW with 3 selectable bandwidths and a very narrow audio filter. Unit comes with a separate AC operated power supply, interconnecting cable, and photocopy of the manual. Manufactured by RCA in the early 1940's at a cost to the government of approx \$3000. This is a cadillac receiver with no compromise in quality. price \$450

Chip Owens, NW00

owens@stout.atd.ucar.edu

----- Forwarded message ends here -----

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Tue Jun 4 23:39:24 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Fwd: FS: Hallicrafters S38
Message-ID: <76959.ddillman@igc.apc.org>

NOTE The message below is a re-post from rec.radio.swap. All replies must go to the person making the post, not me.

----- Forwarded message begins here -----

From: ProExp <proexp@aol.com >
Newsgroups: usenet.rec.radio.swap
From boatanchors@theporch.com Tue Jun 4 23:39:24 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Fwd: FS: Hallicrafters SX-110 Receiver
Message-ID: <77795.ddillman@igc.apc.org>

NOTE The message below is a re-post from rec.radio.swap. All replies must go to the person making the post, not me.

----- Forwarded message begins here -----

From: RhyneK <rhynek@aol.com >
Newsgroups: usenet.rec.radio.swap
From boatanchors@theporch.com Tue Jun 4 23:39:24 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Fwd: FS: Johnson KW Matchbox
Message-ID: <76949.ddillman@igc.apc.org>

NOTE The message below is a re-post from rec.radio.swap. All replies must go to the person making the post, not me.

----- Forwarded message begins here -----

From: pete brunelli <pcb@connix.com >
Newsgroups: usenet.rec.radio.swap
From: boatanchors@theporch.com Tue Jun 4 23:39:24 1996
From: jml@spider.lloyd.com (Jim Lockwood)
Subject: Re: Fwd: FS: Johnson KW Matchbox
Message-ID: <m0uR93r-002WiGC@spider.lloyd.com>

>Newsgroups: usenet.rec.radio.swap
>Date: Mon, 03 Jun 1996 16:57:37 GMT
>Subject: FS: Johnson KW Matchbox
>
>Johnson KW matchbox
>Relatively recent vintage and in *excellent* condition.
>Coax and balanced antenna outputs, accessory terminal block, No SWR
>meter.
>

What does "relatively recent vintage" mean? From when to when were
Matchboxes produced?

73,

Jim - km6nk

From: boatanchors@theporch.com Tue Jun 4 23:39:24 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Fwd: FS: WW2 RBB-2 Radio Receiver
Message-ID: <76953.ddillman@igc.apc.org>

NOTE The message below is a re-post from rec.radio.swap. All
replies must go to the person making the post, not me.

----- Forwarded message begins here -----

From: Chip Owens <owens@stout.atd.ucar.edu >
Newsgroups: usenet.rec.radio.swap
From: boatanchors@theporch.com Tue Jun 4 16:14:50 1996
From: don merz <71333.144@CompuServe.COM>
Subject: Gadzooks! Knobs!
Message-ID: <960604111639_71333.144_DHB32-11@CompuServe.COM>

For Sale

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228.
412-234-8819 (weekdays, EST or leave a message anytime).
71333.144@compuserve.com

KNOB HEAVEN (with apology to the hogs..)

Number in parentheses indicates quantity of knob available. If no number is listed then I have only one. Prices include postage. If you buy more than 1 knob, you can deduct \$1 from the price of the 2nd, 3rd,...nth knob.

National

Early HRO, NC-100, 100A, 101, & 100a Band Change or tuning (2): \$11@ PPD

Very early HRO Selectivity knob: Round knob with convex face and fluted edges and metal pointer. \$8 PPD

10 - 0 black fluted plastic with stainless steel skirt. Odd bird--scale only covers 180 degrees of skirt and is left handed (i.e. 10 - 0 instead of 0 - 10). (2): \$5 each PPD

HRO 60, NC-183D and others RF Gain (black fluted plastic with SS skirt marked 10 - 0 over full 360 degrees): \$7 PPD

HRO-60 style black plastic fluted knob with stainless steel skirt. But skirt has no numbers or letters, just 1 index mark. Unknown use. (2) \$5 each PPD

NC-173, HFS Tone knob. Gray fluted plastic with stainless steel skirt marked 0 - 10. \$5 PPD

NC-173, HFS Selectivity knob. Gray fluted plastic with stainless steel skirt marked 5-4-3-2-1--OFF. Plastic edge damaged. \$3 PPD

NC-173, HFS Trimmer knob. Gray fluted plastic with no skirt. \$4 PPD

NC-183D and others, Trimmer knob. Black fluted plastic with no skirt. \$5 PPD

NC-183D main tuning or bandspread knob. Large fluted black plastic with stainless steel "0." \$13 PPD

Hallicrafters

S-85, SX-96 and others: Small black fluted knob w/pointy metal insert. \$6 PPD

SX-9, 10, 11 and others: Small bakelite knob. No index dot (easily added). (12): \$5 each PPD

SX-9, 10, 11 and others: Larger bandspread & tuning knob. \$11 PPD

SX-24, 25 and others: Small round bakelite knob with white index dot. (4): \$4 each PPD

Collins

75A-series OFF/ON, AVC, Passband Tuning, Noise Limiter, Rejection Tuning and AM/CW-SSB knob: Bakelite with bakelite skirt with white index mark. (9): \$7 each PPD

Johnson

116-226 very small round black knob w/crank handle. New-in-box. (2): \$8 each
Same as above but without box. \$7 PPD

Small round maroon with white plastic dot inset into face. (3): \$7 each PPD

Same as above but the white plastic dot has fallen out. \$4 PPD

Larger maroon knob with missing white plastic dot. \$8 PPD

Maroon knob with metal skirt marked 100-0 over 180 degrees. (2): \$5 each PPD

Black with metal skirt marked 10-0 over 360 degrees. \$7 PPD

Hammarlund

HQ-110A and others: Medium black plastic knob with small skirt. White index mark on knob face and dot on skirt. (2) \$5 each PPD

RCA

AR-88, military RBM, RBC and others: Small round knob with small skirt and molded pointer with white index mark strating on face and going down side onto flare on skirt. (2) \$6 each PPD

HP

606A and 608E knobs: 4 large bkack knobs with 2 "wings" and skirt and 4 smaller round knobs in same style with no wings or skirt. All have white index arrow. \$12 PPD for all.

General Radio

Set of 6 black knobs. 2 with indexed metal skirts. \$8 PPD for all.

Set of four gray knobs. 2 larger, 2 smaller. \$6 PPD for all.

Miscellaneous

Key knob. Looks like J-38 but threads don't fit mine. No skirt. \$3 PPD

From boatanchors@theporch.com Tue Jun 4 03:50:01 1996

From: sinned@VNET.IBM.COM

Subject: Gonset GSB-100 last chance

Message-ID: <m0uQfTL-000D0WC@knuth.mtsu.edu>

For Sale: GSB-100 + manual. Any Anchorites interested before this becomes available to the public, let me know. Price: \$100 u ship/pickup

Dennis KC5EPZ

sinned@vnet.ibm.com

From boatanchors@theporch.com Tue Jun 4 03:50:01 1996

From: WB20DHJIM@aol.com

Subject: Hallicrafter Model S-19R

Message-ID: <960603220155_127167844@emout18.mail.aol.com>

I have a Sky Buddy Model S-19R (1937) which is in pretty good shape and a copy of the "Operating Alignment & Servicing Instructions" manual. What is a receiver like this worth?

Jim
wb2odhjim@aol.com

From boatanchors@theporch.com Tue Jun 4 03:50:01 1996
From: jml@spider.lloyd.com (Jim Lockwood)
Subject: Heath knobs: Satin, polished, and chrome?
Message-ID: <m0uQhfp-002WgxC@spider.lloyd.com>

Gang,

Conventional wisdom has it that the family of Big Green Boxes from Heath, such as the Mohawk, Apache, Marauder, Warrior, Chippewa, Seneca, Mohican, and others had one of two styles of knobs. Early sets had satin finish knobs and later sets had shiny knobs.

Well, enough of these boxes have followed me home that I am forming the opinion that there are three knob styles, not two.

Style #1 is the brushed satin finish knob that is easily identified and well known. These age relatively well.

Style #2 has a polished appearance, but does not have the appearance of having been plated. These tend to dull with time as the base metal, which I think is die cast zinc (AKA pot metal) seems to oxidize. They can probably be polished with a buffing wheel, but I haven't tried this yet.

Style #3 is, without a doubt, chrome plated. Chrome has its own color distinct from zinc or aluminum or stainless steel or any other white metal. Like the satin finish knobs, these knobs age very well.

The distinction I am making here is between Style #2 and Style #3 knobs. Altho style 2 knobs in good condition might appear at first glance to be style 3, the color of the metal gives them away as being different.

When was each style of knob used? Well, I know of one way to get a rough feel.

Here's how: Mohawk receivers had serialized RF decks, since these were supplied from Heath pre-built. A tabulation of knob style on Mohawks versus RF deck serial number might tell the story. And, I suppose I'm sort of volunteering to be a collecting point for this information for those who have Mohawks and want to send their data to me.

To locate the RF deck serial number, you have to have the chassis out of the case and you must look at the underneath side of the radio. The serial number is ink stamped on the forward surface of the shield between the RF deck and the IF area.

As Gary H. Harmon, Jr. said

> A dandy signal generator is coming my way from Michael Crestohl. It is a
> Hickok 288X or TS-465A/U. Can anyone help me with a manual copy? Copy
> charges and postage gratefully refunded.

>

This box is in A.G. Tannenbaum's list. 215-540-8327, \$10. The stuff
I've gotten from Tannenbaum was first class, and I'd recommend going
that way.

--

Hank van Cleef vancleef@bga.com vancleef@tmn.com

From boatanchors@theporch.com Tue Jun 4 16:14:50 1996
From: "Randy Zelick" <RANDY@sbii.sb2.pdx.edu>
Subject: how much ripple?
Message-ID: <15E7454E07@sbii.sb2.pdx.edu>

Hi folks,

I am about to dig into a Drake 2B and fix a hum problem. There is a
small-medium amount of speaker hum, just enough now to be distracting while
listening at low volume levels.

My first stop will be the power supply filter cap(s) but I thought, before
getting out the scope probe, that it would be worth inquiring --

Just how much AC ripple is acceptable? If I AC-couple the probe and find
10 mV of 60 Hz is that OK? Is 100 mV OK? Is there a rule of thumb or is each
power supply unique?

Thanks,

=Randy=

From boatanchors@theporch.com Tue Jun 4 16:14:50 1996
From: bill@skeeter.frco.com (William Hawkins)
Subject: Re: how much ripple?
Message-ID: <9606042014.AA12871@skeeter.frco.com>

Well, it depends. You can have quite a bit of ripple if it feeds
something within the feedback loop, like the CT of the audio plate
transformer (or one end if it's single ended). You can also have

hum with perfect B+ filtering. It might be better to track it down. First see if it is affected by the volume control at the low end (almost anything AC powered hums at the high end). If so, the problem is before the volume control. Look at the tube right before it, probably the detector. Might be heater-cathode leakage. If the hum is still there with the volume control CCW, try jumpering in a bypass cap for the plate supply of the tube just after the VC. Also might be heater-cathode leakage. If there's no audio feedback loop, try jumpering the filter caps with another electrolytic to see if that effects the hum. Probably could leave the scope probe in the drawer.

The problem could also be lead dress related to the AC power cord. I've seen sets that switch the neutral wire (white) to keep down the AC voltage running through the set. If someone "knew better" and changed it to switch the hot wire, you'd get hum.

You do have the chassis grounded, right?

I'd better get back to work ...

Bill Hawkins bill@skeeter.frco.com

From boatanchors@theporch.com Tue Jun 4 23:39:24 1996
From: "Benjamin D. Hall" <bdhall@ghgcorp.com>
Subject: Re: how much ripple?
Message-ID: <31B4BDBE.7609@ghgcorp.com>

William Hawkins wrote:

> The problem could also be lead dress related to the AC power cord.
> I've seen sets that switch the neutral wire (white) to keep down
> the AC voltage running through the set. If someone "knew better"
> and changed it to switch the hot wire, you'd get hum.

I found this out the hard way when I rewired the plug on my Halli S-38B. Seems that the plug had been changed before, so I didn't take anything in it as gospel. This was wired so that the neutral was switched to turn it on and off. Well, I didn't like this and changed it so that it switched the hot (and added a fuse). Well, turned it on and the hum was so darn loud it nearly broke my ears! Checked the schematic and lo and behold switching the neutral is correct.

Well, I didn't like this at all. A hot chassis? Even with the switch off someone (me) could get zapped. I don't like risks so I set about to get rid of the hum without switching the neutral. I found that when I rearranged the power cord away from other coils, wires, etc that the hum

was reduced to almost where it was before I changed the plug.

I'll live with the extra hum for that added safety.

73,
Ben
--

```
=====
+ Benjamin D. Hall, Houston Texas +
+ BDHall@GHGCorp.com BHall@GP802.JSC.NASA.gov +
=====
```

From boatanchors@theporch.com Tue Jun 4 23:39:24 1996
From: Henry van Cleef <vancleef@bga.com>
Subject: Re: how much ripple?
Message-ID: <199606050355.WAA10084@zoom.bga.com>

As Benjamin D. Hall said

>
> I found this out the hard way when I rewired the plug on my Halli S-38B.
> Seems that the plug had been changed before, so I didn't take anything
> in it as gospel. This was wired so that the neutral was switched to
> turn it on and off. Well, I didn't like this and changed it so that it
> switched the hot (and added a fuse). Well, turned it on and the hum was
> so darn loud it nearly broke my ears! Checked the schematic and lo and
> behold switching the neutral is correct.
>
> Well, I didn't like this at all. A hot chassis? Even with the switch
> off someone (me) could get zapped. I don't like risks so I set about to
> get rid of the hum without switching the neutral. I found that when I
> rearranged the power cord away from other coils, wires, etc that the hum
> was reduced to almost where it was before I changed the plug.
>

Well, you're not the first guy that got "bit" by this vagary of AA5 design and construction. The power switch is part of the volume control, so you've got 110AC next to the most sensitive audio part of the set. Terminating the power cord on a (new) terminal strip next to the entry point on the chassis, and running twisted pair will help a lot. A nice .01 hash filter cap from "hot" to the chassis at the entry point is frosting on the cake, as is some care as to where you hook the "neutral" side to the chassis.

After nearly fifty years of looking at AA5's, I still don't know all the tricks in that circuit. Back when I was first working as an engineer, and all electronics EE's supposedly could draw an AA5 schematic from memory, we used the circuit for job interview questions,

and I had a lot of good bull sessions with old-timers who "knew that stuff." The AA5 is one of the most exotic designs I can think of in any engineering field.

--

Hank van Cleef vancleef@bga.com vancleef@tmn.com

From boatanchors@theporch.com Tue Jun 4 16:14:50 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Impossible Speaker Requests
Message-ID: <49009.ddillman@igc.apc.org>

Greetings, fellas and gal. Although our earlier thread established the rarity of the so-called "matching speaker", I ask for help in finding the following:

Hallicrafters R-46A for the SX-62A

National model appropriate for the HRO-50. Does anyone know the model number for this one?

Thanks a bunch...

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Tue Jun 4 23:39:24 1996
From: Ed Kleckner <ekleck@kendaco.telebyte.net>
Subject: Re: Impossible Speaker Requests
Message-ID: <Pine.LNX.3.91.960604162830.12340A-100000@kendaco.telebyte.com>

> National model appropriate for the HRO-50. Does anyone know the
> model number for this one?

According to my original HRO-50-1 manual, the correct speaker is either:
HRO-50TS Table Model 10" PM dynamic loudspeaker with connecting cable,
or HRO-50RS Loudspeaker 8" dynamic loudspeaker mounted on 8 3/4" high
rack panel, black finish with connecting cable. No prices given.

73 Ed

~~~~~  
~ Ed Kleckner, N7YQR ~  
~ ekleck@kendaco.telebyte.com ~  
~~~~~

From boatanchors@theporch.com Tue Jun 4 03:50:01 1996
From: k3drj@radix.net (Jim Harding)
Subject: INFO WTD National SW-54
Message-ID: <199606040810.EAA12234@news1.radix.net>

While visiting in-laws on Long Island, NY this past weekend, the XYL and her sister go yard saleing..... and she brings me back a National SW-54 that she picks up for \$20. She thinks she got a deal, as she bargained the guy down from 25 bucks. Question.... just how much are these going for? The price seems reasonable, but I haven't tried it yet. The wife said the guy mentioned that it still works..... (what was that thread about flea speak?) The radio is in fair to good shape. Lots of garage dust, a few light scratches in the case, but no rust and all the tubes and the original knobs and screws. Will probably clean up real good.

Will be bringing the power up later this evening after we get unpacked.....she also picked up a lot of other stuff from her travels :-)
Anyone with any history or other tid bits on the tiny BA? Serial No. is 380-0707. Also could use a manual or copy and will ofcourse pay the coping and shipping costs.

Thanks and 73 - de - Jim - K3DRJ

--

Jim Harding
LaPlata, MD
k3drj@radix.net

From boatanchors@theporch.com Tue Jun 4 03:50:01 1996
From: MEC <danmec@inet.uni-c.dk>
Subject: Re: Lorenz Mi544 Crypto Equipment
Message-ID: <Pine.3.89.9606040830.A2039-0100000@inet.uni-c.dk>

Crypto collectors might be interested in learning that 4 rotor ENIGMA U-boo version with a box full of extra rotors , was sold at Sothby's auctions in London last week for 17.000 pounds.

rgs rag oz8ro

From boatanchors@theporch.com Tue Jun 4 23:39:24 1996
From: Bill Meara <w.meara@server1.codetel.net.do>
Subject: Manual for Allied A-2517???
Message-ID: <9606042238.AA18992@server1.codetel.net.do>

Thanks for all the info on the Allied rig. I am helping a new ham who lives in an isolated part of the Dominican Republic. He's an American and recently got his U.S. ticket. While looking for a rig, the Allied quasi-BA came his way. Based on info provided by listmembers, I'm advising him to buy the rig (150 - 200 bucks) IF we can find him a manual (or at least a schematic and tuneup instructions).

Anyone out there have the book on this rig? Any hints on possible sources?

Thanks

73 De N2CQR/HI8
Bill Meara
Santo Domingo, Dominican Republic
w.meara@codetel.net.do
or
74537.1100@compuserve.com

"Hispaniola Heaths and Hallis"
HT-37, 2B, HW-101, HQ-100
PGP PUBLIC KEY AVAILABLE ON REQUEST

From boatanchors@theporch.com Tue Jun 4 16:14:50 1996
From: bill@skeeter.frco.com (William Hawkins)
Subject: Museum BA's
Message-ID: <9606041933.AA12826@skeeter.frco.com>

About a week ago, I sent out a note on the Mariners' Museum in Newport News, Virginia, and their special exhibit called "Signals and Codes". Well, I found the notes, but they're not as clear as they were when I scribbled them on the back of a business card. There was a 3 or 4 foot high rack containing a transmitter and receiver - an RAL 8 and an RBO. Transmitter range was 2-18 MC. The assembly might have been CG 52206. There was other gear there, including a complete radar set, but our guide was moving us right along. Normally I'd have left a guide like that, but this old boy, Mr. Sheriff(sp), really knew his subjects. Too bad radio wasn't one of them.

Bill Hawkins bill@skeeter.frco.com

From boatanchors@theporch.com Tue Jun 4 23:39:24 1996
From: rdkeys@csemail.cropsci.ncsu.edu

Subject: Museum BA's are made to be played and not just looked at!

Message-ID: <9606042103.AA107403@csemail.cropsci.ncsu.edu>

>

> About a week ago, I sent out a note on the Mariners' Museum in Newport News,
> Virginia, and their special exhibit called "Signals and Codes". Well, I
> found the notes, but they're not as clear as they were when I scribbled
> them on the back of a business card. There was a 3 or 4 foot high rack
> containing a transmitter and receiver - an RAL 8 and an RBO. Transmitter
> range was 2-18 MC. The assembly might have been CG 52206. There was
> other gear there, including a complete radar set, but our guide was moving
> us right along. Normally I'd have left a guide like that, but this old boy,
> Mr. Sheriff(sp), really knew his subjects. Too bad radio wasn't one of them.

>

> Bill Hawkins bill@skeeter.frco.com

Neat, Bill.... I would like to visit that place sometime.

That transmitter sounds quite a bit, sizewise like a TCM (about 3'6" tall)
or a TCK (about 4' tall). CG is General Electric, I believe.

By coincidence, we will be using the exact same gear, operationally at
Field Day this year, aboard the battleship USS North Carolina, in the
port of Wilmington, NC. The TCM has a pair of 803's and is guaranteed
for 125 watts output under all conditions. The TCK has a pair of 813's
and is guaranteed for 200 watts output if I remember correctly. The
RAL is a standard issue Navy trf regen set, 0.3-23 mhz, second to
none. We will be using the paired RAK/RAL. Normally the RBA/RBB/RBC
would have been the main receiving sets with the RAK/RAL as backups at
secondary stations, or the RAK/RAL would have been used in smaller vessels,
such as submarines with a TCS and a TBL (HUGE rig about 6 feet tall).

All hands are invited to cast a gander at the Special Event stations
listing in QST/June 96, for our info. The demo station will be
running Friday afternoon/evening on the BA/GB QRG (7051 and 3579).
We will attempt to keep the demo station going during field day on
7030 or 7051 or up the high end of the fracas where the qrm is not quite
so heavy.

The demo station will comprise a working set of TCM, TCS, RBC, RAL, RBM,
and maybe ARC-5. Additionally, we will have display equipment set up
ranging from WWI through WWII Navy gear, across the fantail of the ship.

All hands are invited to QSO us for a special QSL and other info about
the ship. The demo station will be using the call NA4G/BB55.

All hands are invited to stop by and visit, if in the neighborhood.

The demo station setup and display is being provided, courtesy the Robert P Buehlmann/N4IQA collection and yours truly's bits and pieces.

73/ZUT DE NA4G/Boatanchor Bob

... Real Boatanchors need to be USED, and not just sit idle in museums!

```
*****
* 73 TU SU VA DE NA4G          ``Boat Anchor Bob'', an ol' CW fart.  *
*****
* Morse has been in the family for over 100 years.                      *
* Morse radiotelegraphy (Spark/CW) has been in the family since 1914.  *
*****
* May you have fair winds and following seas on your watch at the key. *
*****
```

From boatanchors@theporch.com Tue Jun 4 03:50:01 1996
From: Joseph Veras <jveras@wwisp.com>
Subject: Pierson-DeLane
Message-ID: <31B4069E.59CA@wwisp.com>

Anybody have a schematic or other info on the Pierson-DeLane PR-15 receiver?

Thanks,
Joe Veras, N4QB

From boatanchors@theporch.com Tue Jun 4 16:14:50 1996
From: mirage!pamars@Simba.AGN.NET (P.A.Marshall)
Subject: Re: Pierson-DeLane
Message-ID: <9606041133.AA22943@mirage>

Joseph Veras writes:

>
> Anybody have a schematic or other info on the Pierson-DeLane PR-15
> receiver?

>
Joe, Pierson-DeLane was a totally new one on me, but guess what?, Rider list one model by them and it's the PR-15 (5 variants, C, M, R, UR, X), I have the Rider pages, a copy will set you back a SASE. I just looked it up and it look like quite the monster set (17 tubes?) nice selectable bandpass also from the looks of things.

Al Marshall "Real Radios Glow in the Dark" almarshall@acm.org
1+219.665.5072 Mirage Computers, Inc. pamars@mirage.angola.in.us

"The lyf so short, the craft so long to lerne." - Chaucer

From boatanchors@theporch.com Tue Jun 4 16:14:50 1996
From: John P Russo <jprusso@ACSU.Buffalo.EDU>
Subject: R-174/URR Help Needed
Message-ID: <Pine.GS0.3.93.960604122027.4515A-100000@destrier.acsu.buffalo.edu>

Picked up a neat military receiver at the Rochester NY hamfest last weekend, R-174/URR. I was suprised to see a universal PS/audio amp as part of the unit. Well, receiver looks complete except for cable that connects PS to receiver chassis. Looks like a hard to find 11+ pin connector. Could someone tell me how the pins match up at each end so I can run the smoke test. Copy of schematic would be VERY MUCH appreciated. Looks like this receiver can be remote tuned, has 10 preset tuning lock points ?? Any info or comments about this unit will be appreciated. Glad to pay copy - mailing expenses.

John Russo KF2JQ jprusso@acsu.buffalo.edu

Oh yeah, is there a good fest coming up in Baltimore area this month ??

From boatanchors@theporch.com Tue Jun 4 16:14:50 1996
From: Al Klase <alklase@postoffice.ptd.net>
Subject: R-388/51J Escutcheon
Message-ID: <199606041107.HAA27263@ns1.ptd.net>

A friend has a really nice R-388 with a big chunk out of the bakelite dial surround. Does anyone have a spare from a parts set?

73,
Al

Al Klase - N3FRQ
alklase@postoffice.ptd.net
Flemington, NJ

From boatanchors@theporch.com Tue Jun 4 16:14:50 1996
From: "Ray L. Mote" <rmote@rain.org>
Subject: Re: R-390A Antenna Connector
Message-ID: <Pine.SUN.3.93.960604014131.15579B-100000@coyote.rain.org>

Guess I'll have to admit I cheated, and bought the C(male) to BNC(female) adaptor from SSON (their part number "ABFCM") for what I thought was a horrendous price (\$9.75). A friend of mine in the two-way radio biz told me he'd paid several times that much for one when doing a short-notice repair job. But I can connect the coax easily to that BNC, so I can't really gripe that much. Now, if only Rat Shack had a balun & proper connector for that twinax connector....

73.....Ray Mote, W6RIC <rmote@rain.org> Oxnard, CA

From boatanchors@theporch.com Tue Jun 4 16:14:50 1996
From: "L. Mark Pilant - MS:ZK03-4/Y02 DTN:381-1529" <pilant@seesaw.ENET.dec.com>
Subject: RE: R-390A Antenna Connector
Message-ID: <9606041208.AA01802@us2rmc.zko.dec.com>

> Now, if only Rat Shack had a balun & proper
> connector for that twinax connector....

Ray, RS doesn't have it...but... At the Rochester hamfest a couple of weeks back (here in beautiful New Hampshire :-) I did pick up a twinax connector with a two screw terminal "strip" attached. (The list price is \$6.95.)

I expect there is some form of balun inside, but I haven't checked it out fully to see what the impedance is. Worst case, I should be able to make some form of adapter for my R-390A.

BTW, I don't have the part number, but it is available from:

Connectors Unlimited
P.O. Box 5973
Manchester
NH 03108

603-668-5926
800-549-5955
Fax 603-641-1179

- Mark N1VQW

From boatanchors@theporch.com Tue Jun 4 23:39:24 1996
From: gpewitt@execpc.com (Gary Pewitt)
Subject: Re: R-390A Antenna Connector
Message-ID: <199606050102.UAA18955@mail.execpc.com>

Ray,

I got a twin-ax to RJ-11 adaptor from a computer catalog. It's supposed to have a balun in it. Now if I just knew the impedance of UTP (unshielded twisted pair) Only pins 2 and 3 are connected. The twin-ax connector on the R390 is 120 ohms. I -THINK- the utp cable is 300 ohms. My co-ax is 52 ohms. My evesdropper dipole is 72 ohms? Damn the government.

>Guess I'll have to admit I cheated, and bought the C(male) to BNC(female)
>adaptor from SSON (their part number "ABFCM") for what I thought was a
>horrendous price (\$9.75). A friend of mine in the two-way radio biz told
>me he'd paid several times that much for one when doing a short-notice
>repair job. But I can connect the coax easily to that BNC, so I can't
>really gripe that much. Now, if only Rat Shack had a balun & proper
>connector for that twinax connector....

>

>73.....Ray Mote, W6RIC <rmote@rain.org> Oxnard, CA

>

>

>

gpewitt@execpc.com N9ZSV 414-355-8147 Milwaukee

From boatanchors@theporch.com Tue Jun 4 23:39:24 1996
From: Al Klase <alklase@postoffice.ptd.net>
Subject: Re: R-390A Antenna Connector
Message-ID: <199606050241.WAA06937@ns1.ptd.net>

At 08:04 PM 6/4/96 -0500, Gary Pewitt wrote:

>Ray,

>I got a twin-ax to RJ-11 adaptor from a computer catalog. It's supposed to
>have a balun in it. Now if I just knew the impedance of UTP (unshielded
>twisted pair) Only pins 2 and 3 are connected. The twin-ax connector on
>the R390 is 120 ohms. I -THINK- the utp cable is 300 ohms. My co-ax is
>52 ohms. My evesdropper dipole is 72 ohms? Damn the government.

>

Gary,

Ditch the balun. Ground one of the twinax pins connect. Connect the 75 ohm coax. Relax and enjoy. It's not that critical.

73,

Al

Al Klase - N3FRQ
alklase@postoffice.ptd.net
Flemington, NJ

From boatanchors@theporch.com Tue Jun 4 23:39:24 1996
From: bill@skeeter.frco.com (William Hawkins)
Subject: Re: R-390A Antenna Connector
Message-ID: <9606050403.AA14287@skeeter.frco.com>

How about \$3 for a twinax T connector that fits the R-390 (and A) antenna connector? The local Axman Surplus has a box full of them. Haven't tried it, but you could probably hack the T to get connected without modifying the '390 (or 389 or 391).

Bill Hawkins bill@skeeter.frco.com

From boatanchors@theporch.com Tue Jun 4 03:50:01 1996
From: jkh@lexis-nexis.com (John Heck)
Subject: R-390A Antenna Connector Pin
Message-ID: <9606031333.AA23694@beans.lexis-nexis.com>

On seeking a solution for connecting a random wire antenna to my R-390A I found that a pin from an octal tube fits the connector perfectly. I happened to have a little Amphenol plug designed to fit into one hole of a tube socket and found that it fits just right into the unbalanced connector when soldered onto the end of the antenna wire. If you had a dud octal tube you'd have a lifetime supply of connectors.

From boatanchors@theporch.com Tue Jun 4 03:50:01 1996
From: KA9EGW@aol.com
Subject: Re: R-390A Antenna Connector Pin
Message-ID: <960604003634_548801351@emout10.mail.aol.com>

how about the center pin from an "N" connector?

From boatanchors@theporch.com Tue Jun 4 16:14:50 1996
From: hagelin@magi.com (Richard Brisson)
Subject: RCA C-02907
Message-ID: <199606041048.GAA18292@infoweb.magi.com>

Gentlemen -

Would anyone on the list be able to establish the equivalence of an RCA set with designator C-02907 ? It was used by our CBC (Canadian Broadcasting Corporation) in the early 50's. This thing weighs almost the same as I do !

AR-77 (never seen one) ?

Thanks,

Richard.

From boatanchors@theporch.com Tue Jun 4 23:39:24 1996
From: Richard Post <POST@ouvaxa.cats.ohiou.edu>
Subject: RCA Chanalyst info
Message-ID: <A3155ZWIHOPVX9*/R=OUVAXA/R=A1/U=POST/@MHS>

Still looking for information on the RCA Chanalyst Short Wave Converter. Tube complement is 6AC7, 6SJ7, 6SA7, and 6X5.

Anybody have one of these?

Rich <rpost1@ohiou.edu>

From boatanchors@theporch.com Tue Jun 4 23:39:24 1996
From: Henry van Cleef <vancleef@bga.com>
Subject: Re: RCA Chanalyst info
Message-ID: <199606050346.WAA08877@zoom.bga.com>

As Richard Post said

>

> Still looking for information on the RCA Chanalyst Short Wave
> Converter. Tube complement is 6AC7, 6SJ7, 6SA7, and 6X5.

>

> Anybody have one of these?

>

I've never seen such a device.

My method when dealing with "off-the-wall" can't findem schematic devices is to spend some time with my trusty VoltOhmyst on ohms ringing

out the circuit. It's a little more difficult when you've got "mods" and "repairs," but there are just so many circuits that can be used for this type of thing.

My method is to take it one tube at a time, on a separate sheet of paper for each tube. Add to that a traceout of the B+ and grounding scheme, and you generally have every connection recorded twice.

I would expect a box that claims to be a "Short Wave Converter" to be a frequency converter setup. Obviously, a 6X5 is for making AC into DC, so that's an easy one to figure. The 6AC7 is one of the "television pentodes" so is very likely an RF preamplifier. The 6SA7 is, no doubt, set up as a mixer. The question I would ask is whether it is self-excited, or whether the 6SJ7 serves as a local oscillator. I think one would only have to examine three or four wires to make that determination. If the 6SA7 is self-excited----which is not too neatsie keen for anything over about 18 Mhz, then I'd expect the 6SJ7 to be an output buffer. A quick check of the output jack wiring should settle "who's on first" here.

The process of elimination, plus looking for and identifying standard circuits, can take a lot of complexity out of things, even if there are mods and errors. I built up a whole Meissner EH signal shifter from bare chassis without a schematic for it, and had to calculate a whole bunch of values for the oscillator, which had been "hangar queened" in both parts units I had. I later got a schematic, and my version differs from Meissner's only in the value of the grid leak resistor, and I like the way it works with mine better than with Meissner's, so left it alone after checking the other value.

--

Hank van Cleef vancleef@bga.com vancleef@tmn.com

From boatanchors@theporch.com Tue Jun 4 16:14:50 1996
From: Michael Crestohl <mc@shore.net>
Subject: Report from the Rochester NY Hamfest....
Message-ID: <199606041819.0AA16963@northshore.shore.net>

Hello Guardians of the High Voltage Supploes:

Cynthia and I just returned from Rochester NY. We had a fine time at the hamfest and visited with many friends in the area. I've been going to the Rochester NY Hamfest for longer than I care to remember. When I was living in Montreal it was THE main "American" hamfest we all went to every year.

There are a LOT of memories there and some of them come back every time I go.

This year the hamfest was moved ahead two weeks because of the Dayton Hamvention shift to mid May. Attendance seemed down. The weather was absolutely perfect - bright and sunny and not too hot. Maybe it was too good - to a point that some folks elected to spend the fine days with family and friends instead of rummaging around a flea market. Anyways, there was a lot of stuff there and a fair representation of Boatanchors and their ilk. I saw a couple of nice Rangers - one quite fairly priced at \$200 and another not so fairly priced at \$350.00. I found a *MINT* Johnson kW Matchbox (but it wasn't cheap!) so my near-mint Matchbox will be up for grabs. Anyone interested please e-mail me for full description.

I found several other little goodies including a new TS-375 VTVM and a neat CW speaker made out of PVC pipe by Skytec (the folks who made Tubesters for the Collins rigs several years ago). I already have one of these excellent speakers but its in long-term storage and this one was right in front of my face at \$5.00. If you are into CW and don't like headphones this is an excellent speaker with acoustics that are perfect for the single tone. Its kinda home-looking but an excellent accessory. If you find one grab it!

I also picked up a neat digital capacitance bridge for \$15.00 that someone dropped and did some minor damage to the LCD, but all the segments still work and so does the bridge, so my old "magic eye" cap bridge will soon be offered up as well.

All in all, I was pretty pleased with the quality of the stuff and prices were reasonable. I spotted one guy who was bombing around on a stinky old motorized cart buying up transcievers, telling every seller a different story like: "Its for a blind ham" or some such bullshit to get the price down. I've seen this jerk at many different fests here in the Northeast but never heard his line of crap before. So if you're selling at a flea and this big old fat clown in a noisy gas cart comes rolling up with some such tale, tell him to buzz off and sell your stuff to someone else. He's a dealer and probably a questionable one at that. Next time I'm taking a couple of packs of sugar along with me.

We spent Friday and Saturday at the hamfest. The inside displays in the "Dome" were not up to past years - many of the commercial exhibitors seem to have bypassed Rochester in recent years. Rochester is really an ARRL convention and many of the attendees are not flea market rats like most of us. The way you can tell is by seeing some guys prowling the flea market in suits and ties. One such individual was spotted at my table commenting on the price of my Bird in-line wattmeter as being high since HE got his at Dayton for less. My question to him was why did he even pick mine up in the first place and suggested that he go away. What an obnoxious individual

he was! I won't tell you his name but if the President of the ARRL should become incapacitated this turkey would probably assume that office! What a tool!

Saturday night we headed back to Syracuse and attended "Rock-10" hosted by my friend Gary N2INR. This was a wonderful affair with many of the well-known AM crowd such as Tim WA1HLR, Mark WA1FAF, Steve WB3HUZ, Paul WA3VJB and many others in attendance. Gary's shack is something to behold - its also a museum as well as a radio room. There are lots of nice items including the cleanest BC-610 I've ever seen, R-390 and R-390A receivers and a 4-1000 homebrew transmitter that is a pure work of art. Ten o'clock was the time for the toast held live on 3885 and every licensed visitor was offered a turn at the controls. Then telephone calls were received and these lasted for quite a while, one guy calling after midnight. My wife Cynthia who is VE2QF even said hello on the air which is rare for her to do because she is quite shy. We hung out until two AM then crashed out anywhere we could find some space. Sunday morning we headed off to breakfast and afterwards some of us were given a tour of Tim's place of work, Armstrong Transmitters which is a company that refurbishes old broadcast transmitters and installs them. If you like heavy iron you'd love a tour of Armstrong!

We left Syracuse at 2:00PM and arrived back in Boston at 8:00 dog tired and sunburned but happy after spending some quality time with our friends and partying. The hamfest season in the Northeast is now pretty much over until the fall with the exception of several small local affairs, and we've had enough travelling and hamfesting for the time being. But we are looking forward to the Fall which starts out with Gaithersburg MD in September just after Labor Day.

73,

Michael Crestohl, KH6KD & VE2XZ
mc@shore.net

From boatanchors@theporch.com Tue Jun 4 23:39:24 1996
From: "Allan Fritsche" <fritsche@msn.com>
Subject: S-36A arrived today
Message-ID: <UPMAIL03.199606050101480658@msn.com>

Gang, I got home from work today and found the Little(LITTLE?) S-36A exactly where I asked UPS to put it. Thats great except for the fact that it hasn't rained on my side of Houston in about 2 weeks. Guess what. It came a downpour and I had just had the gutter removed over where the radio set.

Needlest to say I didn't need a razor knife to get the box apart. Peanuts everywhere, etc. Well, naturally my first concern was with the boat and got it

on to the work bench, Gladly High and Dry, BTW Thanks Dex for a pretty good job of packaging. There was no damage to the rig and after plugging in the tubes that Dex had removed and wrapped in bubble the radio came up with no smoke, but alas no signal. Well I have to go to St. Louis tomorrow for a couple of days so I didn't have time to play with the unit, other than taking the cover plate off of the 955 RF and discovering a great signal. More to come to bore you guys. Ha, Ha

Now I got some thing to work on Phil.
See Ya
fritsche@msn.com

From boatanchors@theporch.com Tue Jun 4 23:39:24 1996
From: Henry van Cleef <vancleef@bga.com>
Subject: Re: S-36A arrived today
Message-ID: <199606050401.XAA10767@zoom.bga.com>

As Allan Fritsche said

>
>

> Gang, I got home from work today and found the Little(LITTLE?) S-36A
> exactly where I asked UPS to put it. That's great except for the fact that it
> hasn't rained on my side of Houston in about 2 weeks. Guess what. It came a
> downpour and I had just had the gutter removed over where the radio set.
>

Well, here in beautiful Texas, where it is currently pretending to be Arid-Zona, one has to watch out for the infrequency rain showers.

Fortunately, an S-36A was thoroughly weatherproofed, so it's one radio that you can just about put in the sink and pour water over. Indeed, that is just what happened to the RF deck on mine---although it was off the rest of the radio when I did it.

--

Hank van Cleef vancleef@bga.com vancleef@tmn.com

From boatanchors@theporch.com Tue Jun 4 16:14:50 1996
From: Al Evangelista <aevang@cris.com>
Subject: S2002 tube info sought
Message-ID: <1.5.4.16.19960604122436.1c67cc2c@pop3.cris.com>

Hi Gang, A friend is looking for information on the S2002 tube (from a hy-gain txcvr). Help on a source or a plug-compatible

replacement would be greatly appreciated.

Please respond directly to my email account. TIA.
73,

Al Evangelista =
KG8WU ex KB8WYN, aevang@cris.com, <http://www.cris.com/~aevang>

From boatanchors@theporch.com Tue Jun 4 23:39:24 1996
From: Rick Blank <rblank@legend.txdirect.net>
Subject: Re: S2002 tube info sought
Message-ID: <1.5.4.32.19960604225740.006932b8@txdirect.net>

At 11:46 AM 6/4/96 -0500, you wrote:
>Hi Gang, A friend is looking for information on the S2002 tube
>(from a hy-gain txcvr). Help on a source or a plug-compatible
>replacement would be greatly appreciated.

Wasn't the S2002 a Japanese heavy duty version of the 6146 series?

Rick Blank, KI5SL	rblank@txdirect.net
2223 Blanco Road	KI5SL@K3WGF.STX.USA.NOAM
San Antonio, Texas 78212	AMSAT NA#26195

From boatanchors@theporch.com Tue Jun 4 23:39:24 1996
From: Dave Hockaday <wb4iuy@nando.net>
Subject: Re: S2002 tube info sought
Message-ID: <199606050230.WAA05197@parsifal.nando.net>

>>Hi Gang, A friend is looking for information on the S2002 tube
>>(from a hy-gain txcvr). Help on a source or a plug-compatible
>>replacement would be greatly appreciated.

>Wasn't the S2002 a Japanese heavy duty version of the 6146 series?

Hi Rick and gang. My experience was that it is a sub for a 6146, but my performance has always been less than a 6146 (power out and lifespan).

73 de Dave Hockaday WB4IUY
wb4iuy@nando.net

<http://www.webbuild.com/~wb4iuy/>
<http://www.webbuild.com/~wb4iuy/teara.html>

<http://www.RTPnet.org/~fcarc/>
<http://www.RTPnet.org/~rdrc/>
<http://www.geocities.com/TheTropics/3349/>
<http://www.geocities.com/TheTropics/3489/>
<http://www.geocities.com/TheTropics/3341/>
<http://www.geocities.com/TheTropics/3212/>

From boatanchors@theporch.com Tue Jun 4 03:50:01 1996
From: "Edward J. Zeranski" <ejz@nosc.mil>
Subject: San Diego/Santee Swap
Message-ID: <2.2.32.19960603230245.006eb46c@marlin.nosc.mil>

In an unending battle against garage space I hit the Santee Swap on Saturday. We didn't get there until 0800 and people were already leaving. Was all the good stuff gone?? After a few rows with omly a couple of sad Hallis I settled on part scroungeing. But! 2nd row from the back was a guy with a TBird trunk fulla toob stuff. Nat 300 receiver, Swan TX or XVR, R392, Viking II, Heath Marauder, and some pwr supplies. The R392 with pwr supply, manual, and LS-116 speaker followed me home for \$150. Not sure if the cost was high or low but the RX is only weak in a couple of places and sounds ok on the little speaker. It also boosts my Space Spanner to eye level! In order to lessen the separation trauma I adopted the Viking II (factory wired!) and 122 VFO too. VFO is alive and well, the Viking II is in excellent shape and is being brought up slow. Not a bad day altogether but I do have to walk across the alley to see a garage with a car in it.

Edward J Zeranski NRaD code 821 ejz@marlin.nosc.mil
619 553-2640
DSN 553-2640
FAX 553-1394
STU-III 2640

From boatanchors@theporch.com Tue Jun 4 03:50:01 1996
From: "F r6fqHo!ht" <75121.100@CompuServe.COM>
Subject: Scope toob
Message-ID: <960604072148_75121.100_FHI30-1@CompuServe.COM>

Hi all.

Looking for a scope tube part number M17-111 GM its made by AEG.

Perhaps all I need is a source for AEG, (a large source,) maybe in Europe, maybe in the US, where I can get this tube? Anyone know where? Send

answer via E-mail, please.

Regards from Hawaii,
Raymond J. Cote

From boatanchors@theporch.com Tue Jun 4 03:50:01 1996
From: "Benjamin D. Hall" <bdhall@ghgcorp.com>
Subject: SP-600-JX-17 working now, no smoke (or could be also titled mods stink!)
Message-ID: <31B3825B.7C08@ghgcorp.com>

Hi Folks...

Got the smoking problem out of the SP-600-JX-17 (man is that a long model number!) this evening.

A previous owner had added a relay to disconnect the antenna when the send-receive switch was in the send position. The send-receive switch applies unregulated B+ to the tubes. This person wired it such that the unregulated B+ passed thru the coil of a 117 VAC relay. Seems like the relay was the culprit, and I cannot blame it. B+ in SP-600's is around what, 250 volts or something like that?!?!?! Seems like the smoke was coming from the relay because after I removed the relay and changed the wiring back to stock (a big thanks to Grant Youngman for the schematic and wiring layout!) everything works well with no smoke.

Again, another case of mods causing problems.

My impressions: Very sensitive. Overloaded it with the 50kW AM BC stations in downtown Houston on my 9 foot longwire. (or should I just say my 9 foot short wire, heh heh heh) Seemed very sensitive on SW, but alas I had the computer on so I was getting a lot of RFI cause nothing around here is shielded.

Will post more as I get more into it. I am planning on cleaning out the cat pee-pee this weekend. Got to get some ammonia, pure isopropyl alcohol, and distilled water. Will keep everyone posted.

Thanks and 73,
Ben
--

=====
+ Benjamin D. Hall, Houston Texas +
+ BDHall@GHGCorp.com BHall@GP802.JSC.NASA.gov +
=====

From boatanchors@theporch.com Tue Jun 4 16:14:50 1996
From: standard@pcs.mb.ca
Subject: SWAN serial number scheme
Message-ID: <199606042018.QAA06467@pcs.mb.ca>

Does anyone on the list know how to figure out the date of manufacture and series code by reading the Swan serial number? I've been reading the date code on the crystal filter to determine manufacture date, but this won't work of course on items without the filter.

tnx

```
#####  
#                                                                 #  
#                               GARY SMITH                        #  
#                               standard@pcs.mb.ca                #  
#                               Standard Electrical Contractors Ltd. #  
#                               Johnson Controls ABCS             #  
#                                                                 #  
#                               VE4YH                             #  
#####
```

From boatanchors@theporch.com Tue Jun 4 16:14:50 1996
From: "Thomas A. Adams" <103360.2133@CompuServe.COM>
Subject: T-14/TRC-1 Info needed
Message-ID: <960604194805_103360.2133_JHL106-1@CompuServe.COM>

Greetings, Troops.

At the Princeton IL hamfest I came into a rather interesting military surplus rig, looks like circa WW2.

The beast is labeled T-14/TRC-1, and even tho it's a small, tabletop rig, it's HEAVY AS HELL! It has an internal 115 VAC power supply, and it appears to have been intended as a radio link for extending telephone lines; there's a bank of binding posts on the front panel for that purpose. The transmitter is crystal controlled (one channel; the crystal's gone, looks like an FT-243 holder), and it appears to be designed for a frequency range of 70 - 110 MHz, as confirmed by a grid dipper . I'm not sure, but it looks like an FM rig. The PA stage is an 829B, so we're talking some pretty decent power output here.

It doesn't appear to need any sort of remote control box, tho a connector is provided for one, along with a switch to choose remote or local control.

Tuneup instructions are glued to the inside of the lid, but I've got no other information.

Does this box ring a bell with anybody? I especially need to know what the crystal frequency range is, what the modulation type is, and how much power to expect . I'd like to see if it works as is (dummy load, of course!) before I try to modify it for six metres.

Mr. T., K9TA

This thing has 6 metres written all over it, especially with the addition of an outboard plate modulator!

From boatanchors@theporch.com Tue Jun 4 23:39:24 1996

From: Karan Lee Carruth <klccarru@tenet.edu>

Subject: Re: T-14/TRC-1 Info needed "Long"

Message-ID: <Pine.OSF.3.91.960604181927.20160D-1000000@francis.tenet.edu>

You have pretty much analyzed the thing correctly. The only thing is, you just have the transmitter. The companion receiver is the R-19/TRC-1. The complete assembly is known as the AN/TRC-1 or, popularly, the Antrac. Frequency range is 70-100 Mc, FM voice, 50 Watts on high power and 10 Watts on low. The transmitter uses FT-241 crystals and the receiver uses FT-243.

They were used with two 3-element directional arrays. Power was supplied by commercial mains or, more commonly in the field, the Power Unit PE-75. Transmitter required 250 W., 115 V. 60 cy. and receiver required 100 W. The proper TM is TM 11-2601 with TM 11-900 being the manual for the power unit.

The AN/TRC-3 and -4 used the same transmitter and receiver just more of them for spares. It is a ground transportable, VHF FM radio transmitter and receiver together with the necessary accessories to set up a field radio station. Designed to operate with a voice frequency band from 200-12000 cycles and, in conjunction with spiral-four carrier terminal equipment, will provide four telephone circuits, any one of which may be used to provide one facsimile circuit or four voice frequency telegraph circuits.

Transmitter employs a frequency multiplication of 96 time crystal frequency. Includes provision for installation as an intermediate automatic radio relay station. Provision is made for coupling directly to spiral-four cable and carrier Telephone Terminal CF-1 when the radio

circuit is used as a part of the Signal Corps four-channel carrier telephone system.

Alternatively, this set may be used on a single channel basis, push-to-talk, in which case it can be remotely controlled and the transmitter satisfactorily voice modulated from a distance of 2 miles over Wire W-110-B using Remote Control Equipment AN/TRA-2.

It was one of the communications workhorses of World War II. I have a friend who was in charge of Army Air Force communication in Normandy. He went ashore on D+1 and set up the first communication link back to England using the AN/TRC-1. They typically got much more range than the specifications. Particularly over the Channel.

You have a piece of history.

Lenox, WA50VG
klccarru@tenet.edu

"This may be long but, at least, there's no cat poop in it!"

From boatanchors@theporch.com Tue Jun 4 23:39:24 1996
From: don merz <71333.144@CompuServe.COM>
Subject: Tube tester, Literature FS
Message-ID: <960605030128_71333.144_DHB32-1@CompuServe.COM>

For Sale

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228.
412-234-8819 (weekdays, EST or leave a message anytime).
71333.144@compuserve.com

Philco 9100 tube tester. Mutual-conductance type. This is an electrically exact clone of the Hickok 533 tester right down to the tube chart settings. The panel has a slightly different arrangement but all the same controls labeled exactly like the 533 are there. It is physically about the same size and weight as the Hickok 533 too. The gray leatherette case on this one has some dings but is in very good condition overall. Inside, the front panel is excellent or better. Working perfectly. With 2 Philco roll charts, original manual and all the Hickok 533 tube data ever published. \$55

Radio Handbook, 10th ed., 1946. Editors and Engineers handbook modeled after the ARRL Handbooks. Material by F.C. Jones, Faust Gonsett, J. Beardsley and many others. Hardback. Cover scruffy at some edges but very good condition overall. \$23

ARRL Ham Radio Operating Guide, 1976. Good paperback. \$5

ARRL Tune In The World With Ham radio, 1976. With Student Workbook. Good paperback. \$5

ARRL HF Antenna Anthology, 1978. Good paperback. \$5

Magazines: \$1.50 each, 4 for \$5, 12 for \$14

CQ 1946: 4,7
1947: 2,5,10 (2 copies), 12 (3 copies)
1948: 11 (2 copies), 12
1949: 1,2,5
1950: 1,3
1955: 11
1956: 2 (2 copies), 3,4,6,7,10,11
1957: 1,2 (2 copies), 3,5,7,8,9,10,11 (2 copies), 12 (2 copies)
1958: 4,7,11
1959: 5,12
1962: 9
1963: 7
1964: 7
1969: 6 (2 copies)
1970: 12
1971: 12
1972: 8 (2 copies), 9 (2 copies), 11,12
1973: 1,2,3,4,6,7,9,11,12
1974: 12

From boatanchors@theporch.com Tue Jun 4 03:50:01 1996
From: John Kolb <jlkolb@cts.com>
Subject: Re: Value of AT-1
Message-ID: <Pine.SC0.3.91.960603221922.15164D-1000000@sd.cts.com>

On Mon, 3 Jun 1996, Doug Arintson wrote:

> After stewing about it all day and night, I went back early Saturday morning.
> Of course it was gone. As I always have said, snooze, you loose.
> Hopefully I'll get the other one.

Yeah, I've never regretted any radios I've bought, even when badly shafted, only the ones I passed up. Cars, however, are another matter.

From boatanchors@theporch.com Tue Jun 4 16:14:50 1996
From: Chuck Penson <penson@sci.mus.mn.us>
Subject: Re: Value of AT-1
Message-ID: <31B44990.6939@sci.mus.mn.us>

Doug Arntson wrote:

<SNIP>

> Got back to work and looked at the Heath bible (thanks to Chuck) and
> realized the ones with the black knobs were the early units. Also, I found it
> did indeed have an added knob (perhaps a cap for 80 meters ???)

Doug:

Don't feel too bad about letting that one get away from you. The added knob reduces the value to near zero (IMHO). Better to hold out for one that is unmodified.

--

Chuck Penson
Education Division
Science Museum of Minnesota

penson@sci.mus.mn.us
612.221.4510 voice
612.224.5092 fax
<http://comped.sci.mus.mn.us>

Standard Disclaimer: The opinions expressed are etc. etc. ...

"Nothing is too wonderful to be true" -- Michael Faraday

From boatanchors@theporch.com Tue Jun 4 16:14:50 1996
From: Jack Harper <jharper@bs2000.com>
Subject: Van Gorden Engineering?
Message-ID: <199606042025.0AA16285@lynx.csn.net>

Hi There BA Gang...

While on a business trip to Delaware, from Colorado, a couple of weeks ago, I stopped at a local ham shop and bought a 40/20/15 meter dipole antenna kit built by Van Gorden Engineering of PO Box 21305, South Euclid Ohio to, hopefully, radiate and receive from my HQ-180/HX-50 combination (I occasionally use an HXL-One linear to melt off the snow for fun -- I live at about 8,000 feet elevation in the Rockies and lead a very boring life).

Unfortunately, after returning home, I noticed that a PVC housed balun was cracked -- Rats! (sorry -- could not resist after the horde of cat/rat stories -- which I enjoyed enormously (simple mind, simple pleasures)).

There is no telephone number on the package -- or a listing from telephone information -- that I could find for Van Gorden. I do remember that I have

Does anyone know how to get in contact with them (other than via snail-mail which I have already tried) to get a replacement balun?

Thanks for any replies.

Regards to all...

Jack, KCOLR (Friend to all things Hammarlund)

Jack Harper
e-mail: jharper@bs2000.com
voice: 303-277-1892 fax: 303-277-1785

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From boatanchors@theporch.com Tue Jun 4 16:14:50 1996
From: Michael Neidich <neidich@hooked.net>
Subject: WANTED: Line Isolation Xfmr
Message-ID: <31B42BC9.54D7@hooked.net>

I need a line isol xfmr for floating my scope. 100 watts will do. 120 VAC in and out, preferably the kind with the socket on the side. Please state price desired, weight and your zip code so I can UPS rate can be known.

Thanks,

Mike, K2ENN

PS I know I can run two filament xfmrs back to back, but it's messy and I don't have the desire to build a box etc.

From boatanchors@theporch.com Tue Jun 4 16:14:50 1996
From: jschwart@ix.netcom.com (John Schwartzberg)
Subject: WTB Ampehnol 165-14 Connectors
Message-ID: <199606041513.IAA14489@dfw-ix3.ix.netcom.com>

Hey Gang -

[illegible]

From boatanchors@theporch.com Tue Jun 4 03:50:01 1996
From: WJoeW@aol.com
Subject: WTB: Big audio transformer
Message-ID: <960603204458_317671051@emout16.mail.aol.com>

I am doing a "labor of love" restoration of a huge hollow-state Magnavox AM,FM etc,etc.
for a friend. Please forgive me this one time if I am skirting the fringes of the BA charter.
But, frankly, I do not know of any other forum with the appropriate technical level.

This BA has an audio amp with 4 (yup, FOUR) big metal 6L6's (parallel/PP).
The output transformer is shorted.

Sam's lists replacement as a Merit A-3133. I would appreciate it if those of you who have transformer hoards could take a look and see if we can find something that would work (i.e., handle the power).

The specs are:

Primary: 3800 ohms, CT (low because of the parallel tubes)

Secondaries: 15, 7.5, 1.5 ohms

I can get a pretty costly unit that I think I could use from AES, but I am not sure my friend could spend that much.

I would be glad to pay shipping plus a nominal amount.

Joe